
FnIO G – Series :

GT-1358

GT-1358 (8 Points, Sink Input Terminal, 24Vdc, 3-wire)

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History

Rev	Pages	Remarks	Date	Editor
1.00			2020/03/24	Soyeong, Park
1.01	6	Change Diagram, Channel to Point	2023/03/30	Soyeong, Park
1.02	4,6,7	Edit Certification / Change Diagram, Status LED	2023/08/08	Suna, Hwang
1.03	5, 8	Change On-Off Delay Time, Input Filter Power dissipation	2025/01/06	Soyeong, Park

Specification

1. ENVIRONMENT SPECIFICATION

Environmental specification	
Operation Temperature	-40°C ~60°C
UL Temperature	-20°C ~60°C
Storage Temperature	-40°C ~85°C
Relative Humidity	5%~90% Non-condensing
Mounting	DIN Rail
General specification	
Shock Operating	IEC 60068-2-27
Vibration Resistance	Based on IEC 60068-2-6, 4g
Industrial Emissions	EN61000-6-4/All : 2011
Industrial Immunity	EN 61000-6-2 : 2019
Installation Position	Vertical and horizontal installation is available
Product Certifications	CE, UL

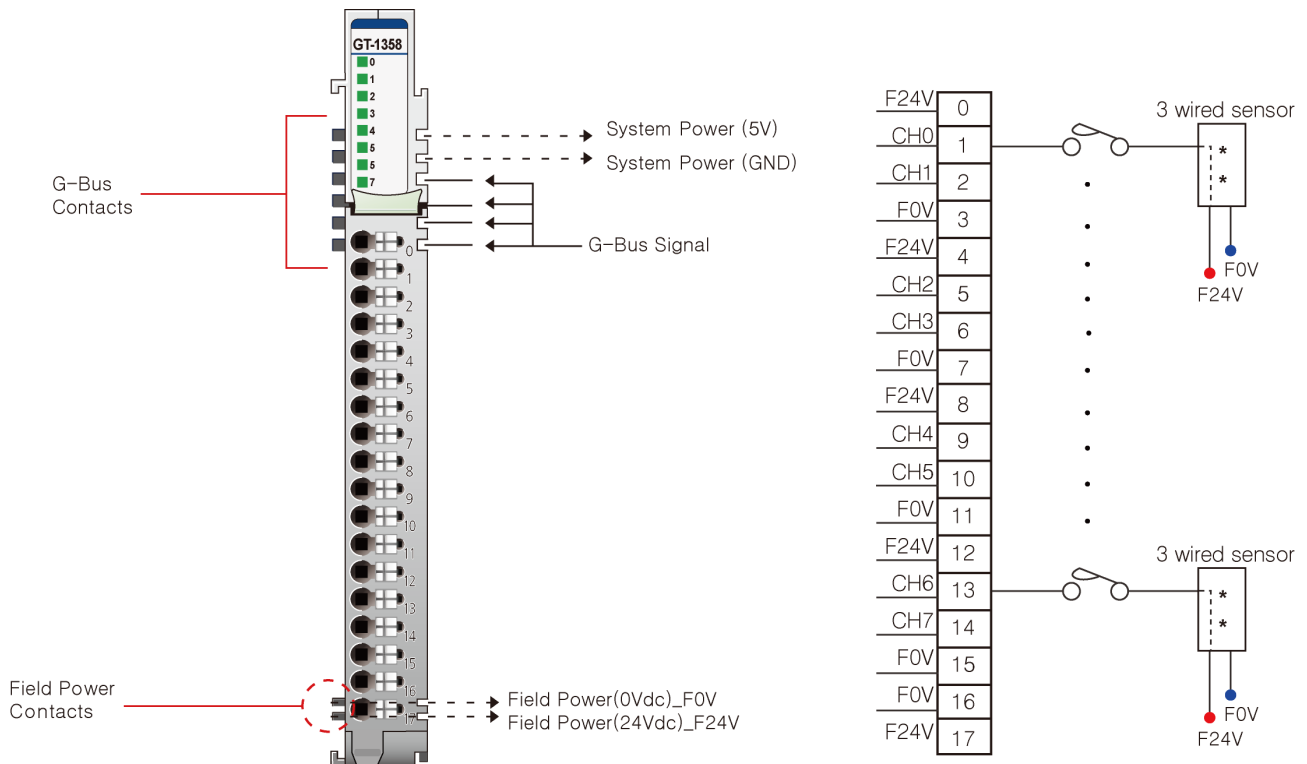
Specification

2. GT-1358 (8 Points, Sink Input Terminal)

2.1. GT-1358 Specification

Items	Specification
Input specification	
Inputs per module	8 points sink type
Indicators	8 green input status
ON-state voltage	24Vdc nominal 15 ~ 28.8Vdc @ 60°C
ON-state current	2.7mA @ 24Vdc 3.3mA @ 28.8Vdc
OFF-state voltage	12.0Vdc @ 25°C
Input signal delay	OFF to ON : Max. 0.15ms ON to OFF : Max. 0.15ms
Input filter	Adjustable, up to 10ms
Nominal input impedance	8.4K ohm typical
Common type	8 points / 5 COM(Sink)
General specification	
Power dissipation	Max. 40mA @ 5Vdc
Isolation	I/O to Logic : photocoupler isolation
UL field power	Supply voltage : 24Vdc nominal, Class 2
Field power	Supply voltage : 24Vdc nominal Voltage range : 15~28.8Vdc Power dissipation: 0mA @ 24Vdc
Wiring	I/O cable max. 0.823mm ² (AWG 18)
Weight	63g
Module size	12mm x 109mm x 70mm
Environment condition	Refer to '1. Environment specification'

2.2. GT-1358 Wiring Diagram



Pin No.	Signal description
0	Common (Field Power 24V)
1	Input Channel 0
2	Input Channel 1
3	Common (Field Power 0V)
4	Common (Field Power 24V)
5	Input Channel 2
6	Input Channel 3
7	Common (Field Power 0V)
8	Common (Field Power 24V)
9	Input Channel 4
10	Input Channel 5
11	Common (Field Power 0V)
12	Common (Field Power 24V)
13	Input Channel 6
14	Input Channel 7
15	Common (Field Power 0V)
16	Common (Field Power 0V)
17	Common (Field Power 24V)

2.3. GT-1358 LED Indicator

2.3.1. LED Indicator



LED No.	LED Function / Description	LED Color
0	INPUT Channel 0	Green
1	INPUT Channel 1	Green
2	INPUT Channel 2	Green
3	INPUT Channel 3	Green
4	INPUT Channel 4	Green
5	INPUT Channel 5	Green
6	INPUT Channel 6	Green
7	INPUT Channel 7	Green

2.3.2. Channel Status LED

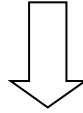
Status	LED	To indicate
No Signal	Off	No Input Signal
On Signal	Green	Input Signal detected

Specification

2.4. Mapping data into the image table

- Input Module Data

D7	D6	D5	D4	D3	D2	D1	D0
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- Input Image Value

Bit No	Bit7	Bit6	Bit5	Bit4	Bit3	Bit2	Bit1	Bit0
Byte0	D7	D6	D5	D4	D3	D2	D1	D0

2.5. Parameter Data

- Valid Parameter length: 2 Bytes

- Parameter Data

Bit No	Bit7	Bit6	Bit5	Bit4	Bit3	Bit2	Bit1	Bit0
Byte0	Input Filter value : H00~64 (Dec.00~100) (H00 : Default Filter(02) / H01 : Fastest ~ / H64 : Slowest, HFF : Filter OFF)							
Byte1	Reserved							